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NOTICE OF ALLOWANCE AND FEE(S) DUE

23280

7590

01/31/2011

Davidson, Davidson & Kappel, LLC 485 7th Avenue 14th Floor New York, NY 10018 EXAMINER

WALTERS, RYAN J

ART UNIT PAPER NUMBER

3726

DATE MAILED: 01/31/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/579.887	05/18/2006	Holger Stark	710.1047	5959

TITLE OF INVENTION: LIGHTWEIGHT VALVE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/02/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
23280		/2011			rtificate of Mailing or Tran		
Davidson, Davidson & Kappel, LLC 485 7th Avenue 14th Floor			I S a t	hereby certify that the tates Postal Service of the Mai ansmitted to the USF	nis Fee(s) Transmittal is bein with sufficient postage for fil I Stop ISSUE FEE address TO (571) 273-2885, on the	ig deposited with the United rst class mail in an envelope above, or being facsimile date indicated below.	
New York, NY	10018		[(Depositor's name)	
			-			(Signature)	
			L			(Date)	
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10/579,887 TITLE OF INVENTION	05/18/2006 I: LIGHTWEIGHT VAL	VE	Holger Stark		710.1047	5959	
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/02/2011	
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WALTER	S, RYAN J	3726	029-890124	_			
 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON 			or agents OR, altern (2) the name of a si registered attorney of 2 registered patent a listed, no name will THE PATENT (print or	• • • •			
recordation as set fort (A) NAME OF ASSI	h in 37 CFR 3.11. Comj GNEE	pletion of this form is NO	T a substitute for filing (B) RESIDENCE: (CI	an assignment. TY and STATE OR (roup entity Government	
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			A check is enclose Payment by credit	d. card. Form PTO-203	ny previously paid issue fee 8 is attached. rge the required fee(s), any der(enclose		
5. Change in Entity Sta	tus (from status indicate				LL ENTITY status. See 37 C		
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10/579,887	05/18/2006	Holger Stark	710.1047	5959	
23280	590 01/31/2011		EXAMINER		
Davidson, Davidson & Kappel, LLC			WALTERS, RYAN J		
485 7th Avenue			ART UNIT	PAPER NUMBER	
14th Floor New York, NY 1(0018		3726 DATE MAILED: 01/31/201	1	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1021 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1021 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/579,887	STARK ET AL.			
Notice of Allowability	Examiner	Art Unit			
	DVAN I MALTEDO	2726			
	RYAN J. WALTERS	3726			
The MAILING DATE of this communication appea. All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate comm GHTS. This application is	n this application. If not included unication will be mailed in due cours			
1. \boxtimes This communication is responsive to <u>an RCE filed on 12/1.</u>	<u>7/2010</u> .				
2. X The allowed claim(s) is/are 21,26-28,31,32 and 34-45.					
3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the:	• , , , ,	or (f).			
1. Certified copies of the priority documents have		on No			
2. Certified copies of the priority documents have	• •		on the		
3. Copies of the certified copies of the priority do	cuments have been receive	d in this national stage application fr	om the		
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requiren	nents		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			E OF		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.				
(a) I including changes required by the Notice of Draftspers	on's Patent Drawing Review	w (PTO-948) attached			
1) ☐ hereto or 2) ☐ to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date					
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t) of		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			he		
Attachment(s)	5 				
1. Notice of References Cited (PTO-892)		formal Patent Application			
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No.	ummary (PTO-413), /Mail Date			
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	7. 🔀 Examiner's	Amendment/Comment			
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's	Statement of Reasons for Allowand	e		
or biological material	9. 🗌 Other	<u>_</u> ,			
/RYAN J. WALTERS/	/DAVID P. BR	YANT/			
Examiner, Art Unit 3726	Supervisory Pa	tent Examiner, Art Unit 3726			

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Gehris on 1/24/2011.

The application has been amended as follows:

In Claim 31, On line 14, REPLACE "valve stem form" WITH ---valve stem forms---

Change the title to: "METHOD OF MANUFACTURING A LIGHTWEIGHT VALVE"

Allowable Subject Matter

- 2. Claims 21, 26-28, 31, 32 and 34-45 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose nor render obvious the limitations "the valve stem including an annular shoulder formed by a width increase of the hollow space into the inner wall" and "joining the first and second components together by placing the force transmission element into the hollow space, bringing the stop surface of the force transmission element to bear against the annular shoulder" as now recited in claim 21 and "the force transmission element including a first end integrally connected to a center of the valve disk and a second end including a bearing surface having a conical shape,"

"the inner wall increasing in width as the second one-piece component extends away from the valve cone to the valve stem such that a portion of the inner wall of the valve stem form a countersurface having a conical shape" and "joining the first and second components together by placing the force transmission element into the hollow space, bringing the bearing surface of the force transmission element to bear against the countersurface" as now recited in claim 31 in combination with the other claimed limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RYAN J. WALTERS whose telephone number is (571)270-5429. The examiner can normally be reached on Monday-Friday, 9am-5pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Bryant can be reached on 571-272-4526. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 3726

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/RYAN J. WALTERS/ Examiner, Art Unit 3726 /DAVID P. BRYANT/ Supervisory Patent Examiner, Art Unit 3726